For Research Use Only

GNAO1 Monoclonal antibody

Catalog Number:68027-1-lg

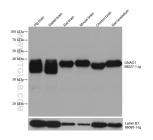


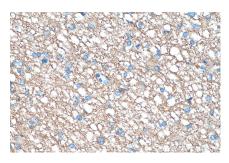
Basic Information	Catalog Number: 68027-1-lg	GenBank Accession Num BC030027	ber: Purification Method: Protein G purification
	Size: 150ul , Concentration: 1000 ug/ml by	GeneID (NCBI): 2775	CloneNo.: 1B5G2
	Source: P09471 WB 1:5000-1:5000		Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 ing protein (G ^{IF-P} 1:200-1:800 g activity
Applications	Tested Applications: WB, IHC, IF-P, ELISA Species Specificity: Mouse, Rat, Rabbit, Pig, Chicken, Hum	v t	ositive Controls: /B : pig brain tissue, rabbit brain tissue, rat brain ssue, mouse brain tissue, chicken brain tissue, rat erebellum tissue
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		HC : human gliomas tissue, F-P : rat cerebellum tissue,
Background Information	GNAO1 gene encodes the a subunit of heterotrimeric guanine nucleotide-binding protein (Gi protein), a membrane protein widely expressed in the central nervous system involved in signal transduction (PMID: 30642806). GNAO1 belongs to the G-alpha family and $G(i/o/t/z)$ subfamily. GNAO1 is highly expressed in brain and modulate neuronal excitability (PMID: 30838255). GNAO1 has 2 isoforms with the molecular mass of 40 kDa.		
Storage	Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.		
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20°C s	0, 1	

For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

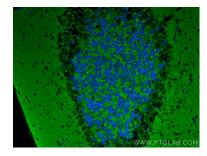
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data





Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using froom 68027-1-1g (GNAO 1 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval onal with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed rat cerebellum tissue using GNAO1 antibody (68027-1-Ig, Clone: 1B5G2) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

Various lysates were subjected to SDS PAGE followed by western blot with 68027-1-1g (GNAO1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-1g) as loading control.